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(54) Title: RAPID IDENTIFICATION OF MICROBIAL AGENTS

(57) Abstract: The method described herein relate generally the identification of bioagents on the basis of base composition signatures for bioagent-identifying amplicons. Specifically, methods of the present invention are directed to the application of pattern recognition models, particularly probability pattern classifiers, to the identification of both known and previously unrecognized bioagents. In certain embodiments, the pattern classifiers relate to probability cloud patterns, such as mutational probability patterns. In other embodiments the pattern classifiers relate to polytope pattern models.

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Minimum documentation searched (classification system followed by classification symbols) U.S.: 702/19				
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C. DOCUMENTS CONSIDERED TO BE RELEVANT				
Category *	Citation of document, with indication, where a	appropriate, of the relevant passages	Relevant to claim No.	
Х	US 6,813,615 B1 (COLOASANTI et al.) 2 November 2004 (02.11.2004), col. 16, lines 25-67, col. 17, col. 18, lines 1-21, Fig. 3, col. 8, lines 23-35, col. 15, lines 65-67, col. 16, lines 1-14 and lines 57-67, and col. 20, lines 4-10 and lines 41-52.		1-4	
X, Y Y	lines 1-58, col. 6, lines 1-38, col. 13, lines 10-67, and col. 14, lines 1-2.		1-3 and 5-8 9-11, 14, and 16-19	
Further	documents are listed in the continuation of Box C.	See patent family annex.		
"A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier application or patent published on or after the international filing date "" "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as "Y" do specified)		"T" later document published after the inter	later document published after the international filing date or priority	
		date and not in conflict with the application but cited to understand the principle or theory underlying the invention		
		considered novel or cannot be considered to involve an inventive step when the document is taken alone		
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